

CERAMIC CATALYST BODY

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ABSTRACT OF THE DISCLOSURE

(i) In a ceramic catalyst body which comprises a
ceramic carrier which has a multitude of pores capable of
supporting a catalyst directly on the surface of a
substrate ceramic and a catalyst supported on the ceramic
carrier, a layer containing an anti-evaporation metal
such as Rh is formed on the outer surface of catalyst
metal particles such as Pt or Rh. The layer containing
the anti-evaporation metal protects the catalyst metal
and prevents evaporation thereof, thereby suppressing the
deterioration; and/or

(ii) A ceramic catalyst body is made by having a
main catalyst component and a promoter component directly
on a ceramic carrier which can directly support the
catalyst by substituting a part of the constituent
elements of cordierite, and a trap layer is provided in
the upstream thereof for trapping sulfur which is a
catalyst poisoning component included in the exhaust gas.
Since sulfur included in the exhaust gas can be collected
by the trap layer, the catalyst poisoning component can
be removed from the gas which enters the catalyst, thus
preventing catalyst poisoning.

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